

**#01\_HAC\_E\_GSM850\_GSM Voice\_Ch128**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Ch128/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid**

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 48.46 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.84 dBV/m

**Emission category: M4**

MIF scaled E-field

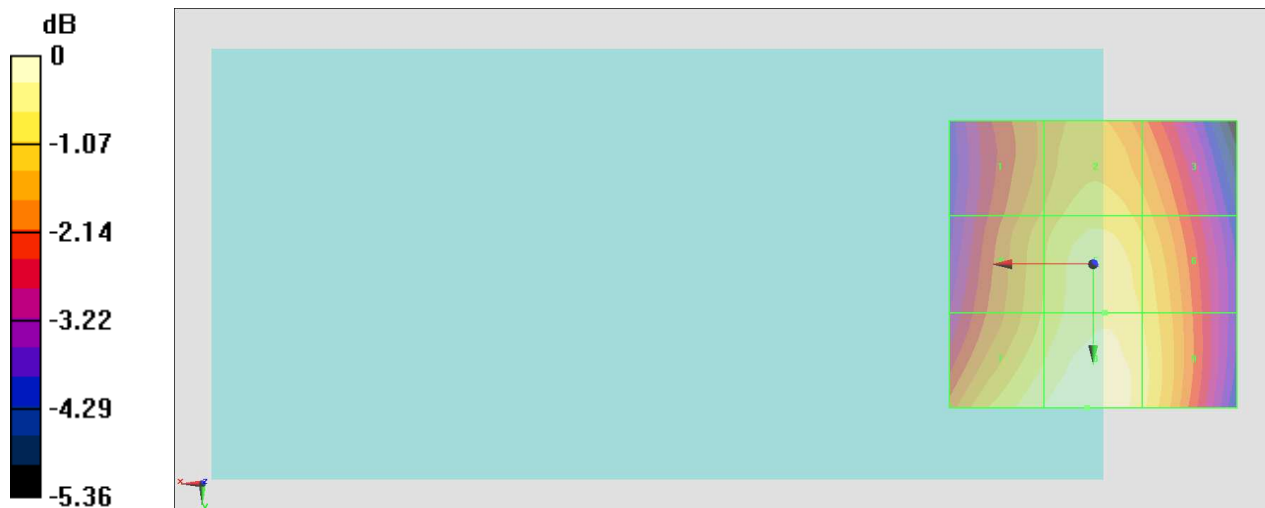
<b>Grid 1 M4</b> <b>34.49 dBV/m</b>	<b>Grid 2 M4</b> <b>35.01 dBV/m</b>	<b>Grid 3 M4</b> <b>34.63 dBV/m</b>
<b>Grid 4 M4</b> <b>34.83 dBV/m</b>	<b>Grid 5 M4</b> <b>35.43 dBV/m</b>	<b>Grid 6 M4</b> <b>35.11 dBV/m</b>
<b>Grid 7 M4</b> <b>35.51 dBV/m</b>	<b>Grid 8 M4</b> <b>35.84 dBV/m</b>	<b>Grid 9 M4</b> <b>35.29 dBV/m</b>

**Cursor:**

Total = 35.84 dBV/m

E Category: M4

Location: 1, 25, 8.7 mm



0 dB = 61.96 V/m = 35.84 dBV/m

**#02\_HAC\_E\_GSM850\_GSM Voice\_Ch189**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Ch189/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid**

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 50.77 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.42 dBV/m

**Emission category: M4**

MIF scaled E-field

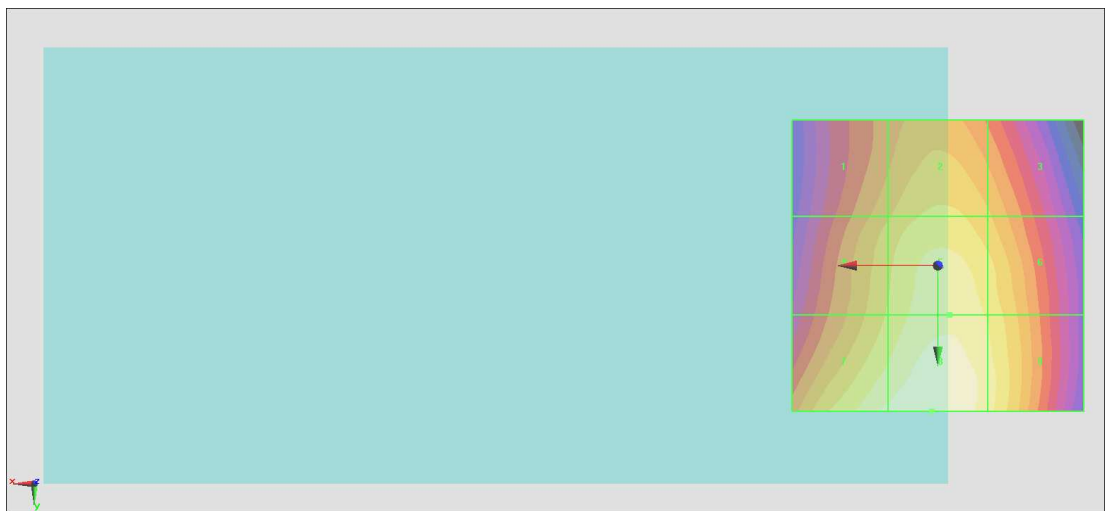
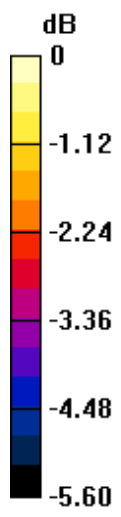
<b>Grid 1 M4</b> <b>34.89 dBV/m</b>	<b>Grid 2 M4</b> <b>35.41 dBV/m</b>	<b>Grid 3 M4</b> <b>35.01 dBV/m</b>
<b>Grid 4 M4</b> <b>35.36 dBV/m</b>	<b>Grid 5 M4</b> <b>35.96 dBV/m</b>	<b>Grid 6 M4</b> <b>35.64 dBV/m</b>
<b>Grid 7 M4</b> <b>36.15 dBV/m</b>	<b>Grid 8 M4</b> <b>36.42 dBV/m</b>	<b>Grid 9 M4</b> <b>35.88 dBV/m</b>

**Cursor:**

Total = 36.42 dBV/m

E Category: M4

Location: 1, 25, 8.7 mm



0 dB = 66.26 V/m = 36.43 dBV/m

**#03\_HAC\_E\_GSM850\_GSM Voice\_Ch251**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Ch251/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid**

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 52.84 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.61 dBV/m

**Emission category: M4**

MIF scaled E-field

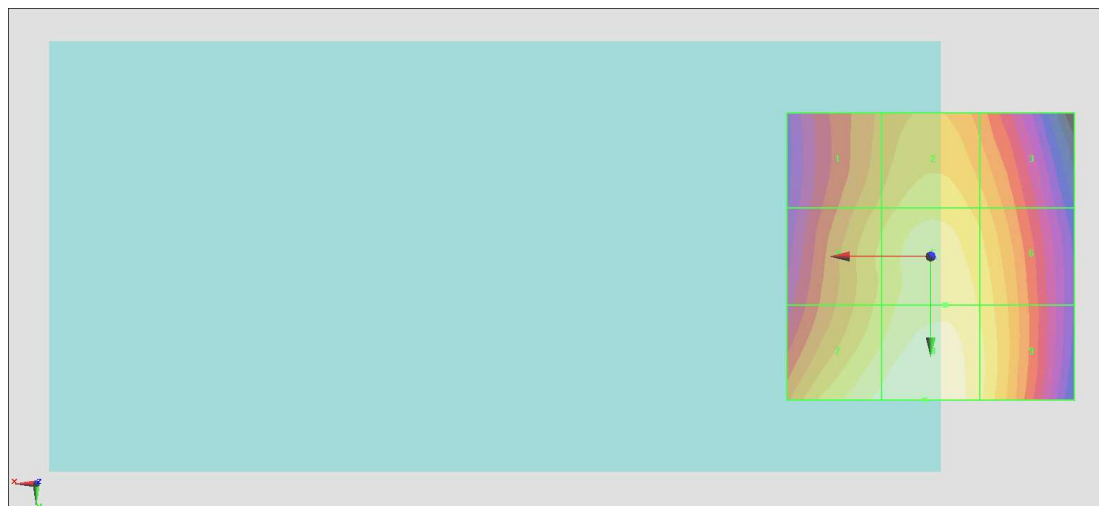
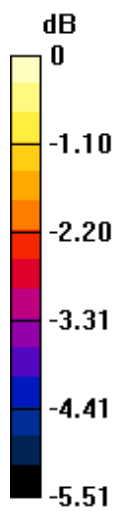
<b>Grid 1 M4</b> <b>35.27 dBV/m</b>	<b>Grid 2 M4</b> <b>35.76 dBV/m</b>	<b>Grid 3 M4</b> <b>35.34 dBV/m</b>
<b>Grid 4 M4</b> <b>35.64 dBV/m</b>	<b>Grid 5 M4</b> <b>36.18 dBV/m</b>	<b>Grid 6 M4</b> <b>35.83 dBV/m</b>
<b>Grid 7 M4</b> <b>36.36 dBV/m</b>	<b>Grid 8 M4</b> <b>36.61 dBV/m</b>	<b>Grid 9 M4</b> <b>36.01 dBV/m</b>

**Cursor:**

Total = 36.61 dBV/m

E Category: M4

Location: 1, 25, 8.7 mm



0 dB = 67.67 V/m = 36.61 dBV/m

**#04\_HAC\_E\_GSM1900\_GSM Voice\_Ch512**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Ch512/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid**

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.872 V/m; Power Drift = -0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.40 dBV/m

**Emission category: M4**

MIF scaled E-field

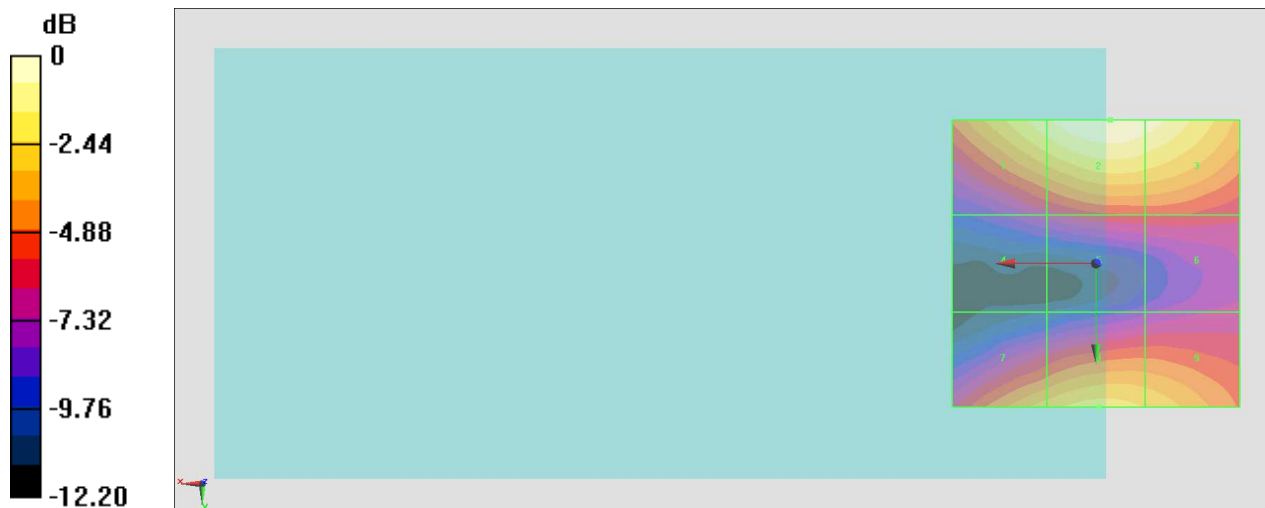
<b>Grid 1 M4</b> <b>27.45 dBV/m</b>	<b>Grid 2 M4</b> <b>28.4 dBV/m</b>	<b>Grid 3 M4</b> <b>28.06 dBV/m</b>
<b>Grid 4 M4</b> <b>21.53 dBV/m</b>	<b>Grid 5 M4</b> <b>22.81 dBV/m</b>	<b>Grid 6 M4</b> <b>22.84 dBV/m</b>
<b>Grid 7 M4</b> <b>25.66 dBV/m</b>	<b>Grid 8 M4</b> <b>26.4 dBV/m</b>	<b>Grid 9 M4</b> <b>25.94 dBV/m</b>

**Cursor:**

Total = 28.40 dBV/m

E Category: M4

Location: -2.5, -25, 8.7 mm



0 dB = 26.31 V/m = 28.40 dBV/m



**#05\_HAC\_E\_GSM1900\_GSM Voice\_Ch661**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Ch661/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid**

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.899 V/m; Power Drift = 0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.08 dBV/m

**Emission category: M4**

MIF scaled E-field

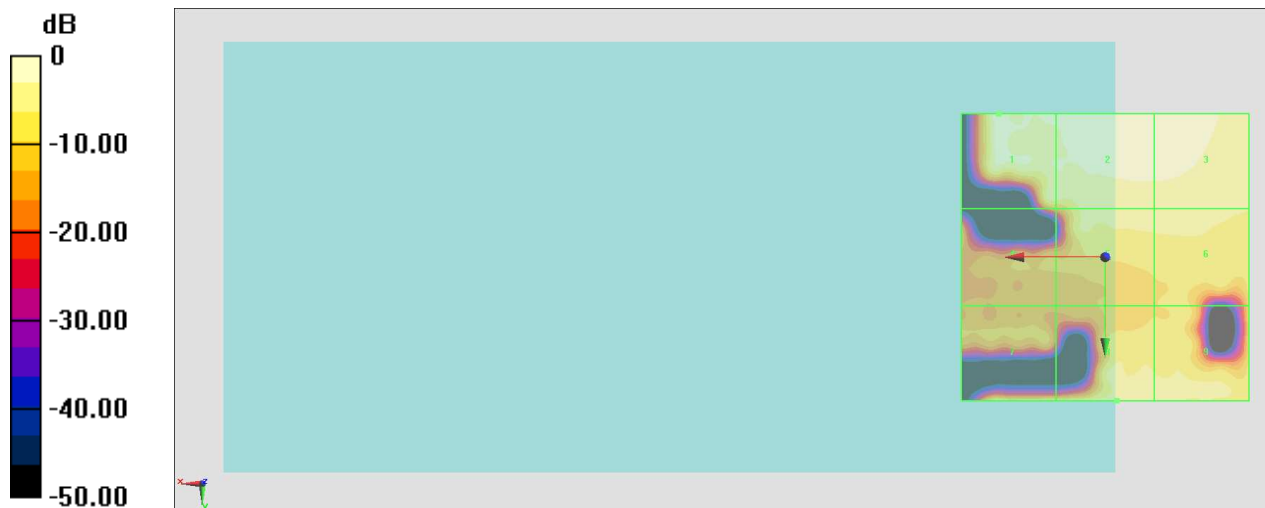
<b>Grid 1 M4</b> <b>29.08 dBV/m</b>	<b>Grid 2 M4</b> <b>28.29 dBV/m</b>	<b>Grid 3 M4</b> <b>28.1 dBV/m</b>
<b>Grid 4 M4</b> <b>17.15 dBV/m</b>	<b>Grid 5 M4</b> <b>24.34 dBV/m</b>	<b>Grid 6 M4</b> <b>24.19 dBV/m</b>
<b>Grid 7 M4</b> <b>24.57 dBV/m</b>	<b>Grid 8 M4</b> <b>24.65 dBV/m</b>	<b>Grid 9 M4</b> <b>23.62 dBV/m</b>

**Cursor:**

Total = 29.08 dBV/m

E Category: M4

Location: 18.5, -25, 8.7 mm



0 dB = 28.44 V/m = 29.08 dBV/m

### #06\_HAC\_E\_GSM1900\_GSM Voice\_Ch810

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

#### DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

#### Ch810/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.878 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.07 dBV/m

**Emission category: M4**

MIF scaled E-field

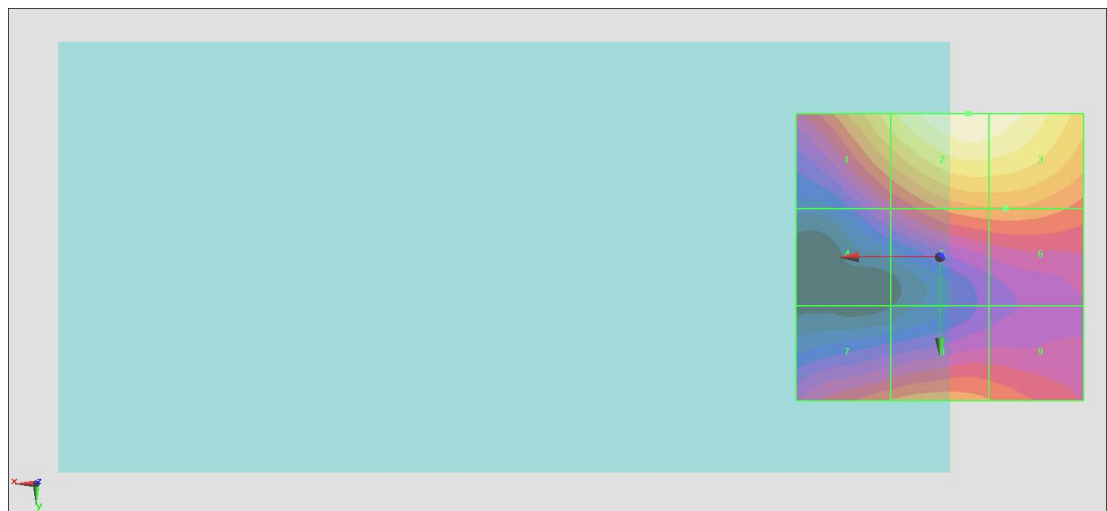
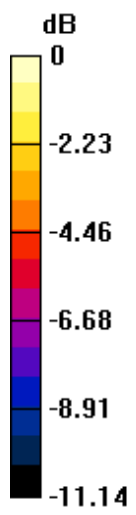
Grid 1 <b>M4</b> <b>26.38 dBV/m</b>	Grid 2 <b>M4</b> <b>28.07 dBV/m</b>	Grid 3 <b>M4</b> <b>27.92 dBV/m</b>
Grid 4 <b>M4</b> <b>21.93 dBV/m</b>	Grid 5 <b>M4</b> <b>24.26 dBV/m</b>	Grid 6 <b>M4</b> <b>24.29 dBV/m</b>
Grid 7 <b>M4</b> <b>23.74 dBV/m</b>	Grid 8 <b>M4</b> <b>24.12 dBV/m</b>	Grid 9 <b>M4</b> <b>23.71 dBV/m</b>

#### Cursor:

Total = 28.07 dBV/m

E Category: M4

Location: -5, -25, 8.7 mm



0 dB = 25.33 V/m = 28.07 dBV/m